

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : FUJITSU LTD

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(54) OPTICAL AMPLIFIER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a control algorithm to broaden a frequency band using a plural exciting light wavelengths or excitation light sources when performing Raman amplification, and also to simply perform a constant output power control, a constant gain control, and a wavelength characteristic flattening control so that the wavelength characteristic is flattened or has a specific gradient.

SOLUTION: This invention permits a wavelength characteristic deviation control between the output power and a gain, the constant output control, and the constant gain control using a simple control algorithm by breaking exciting light generation means into blocks, and dividing an input/output monitoring wavelength frequency band of signal light into the number of the blocks of the exciting light generation means or more and not more than the number the signal channels to monitor the signal light.

LEGAL STATUS

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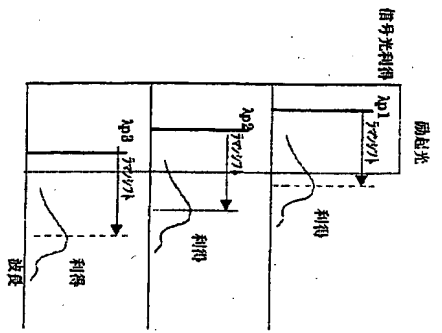
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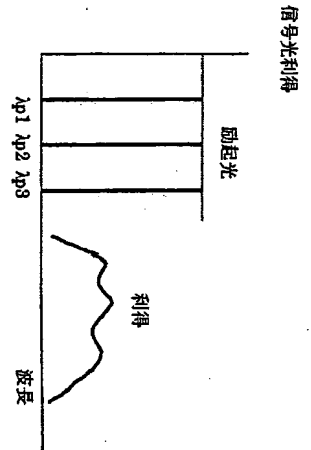
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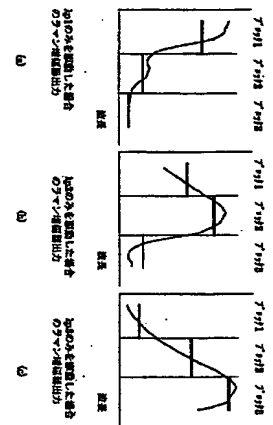
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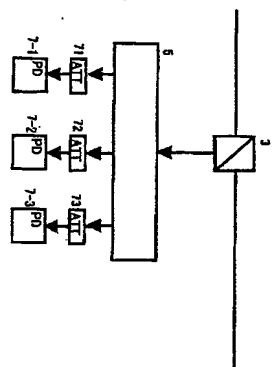
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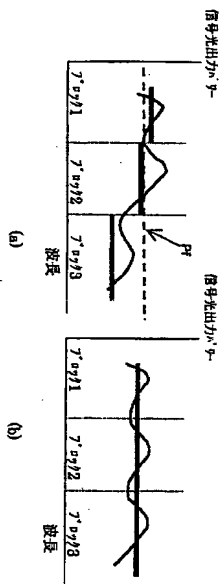
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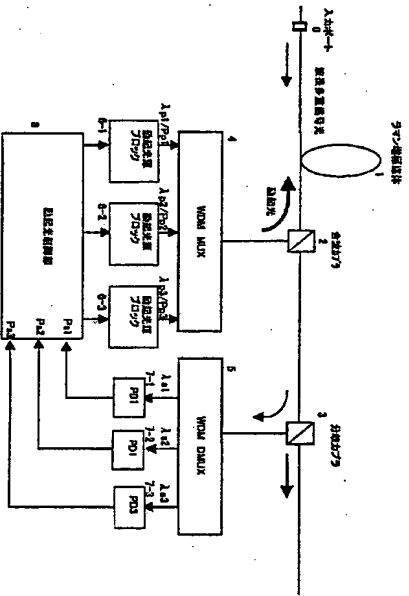
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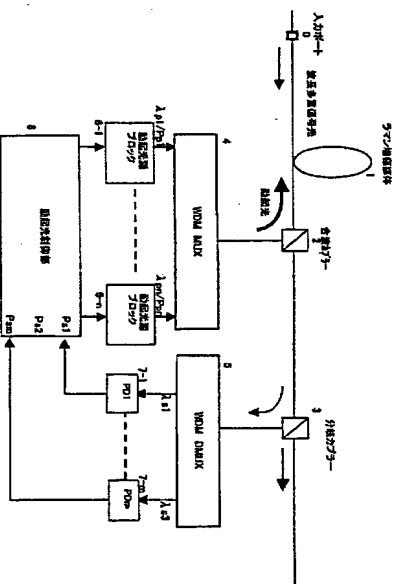
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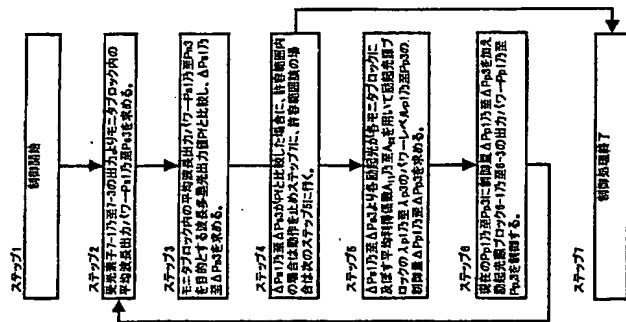
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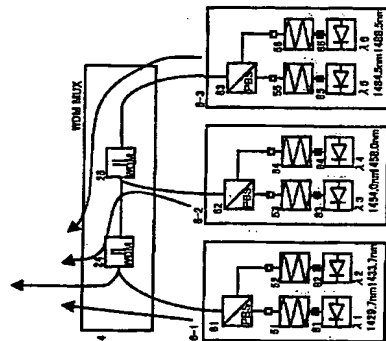
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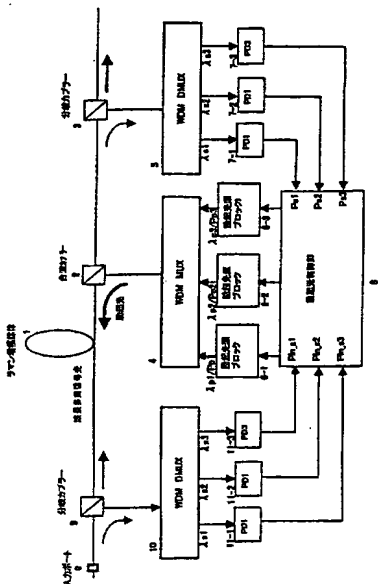
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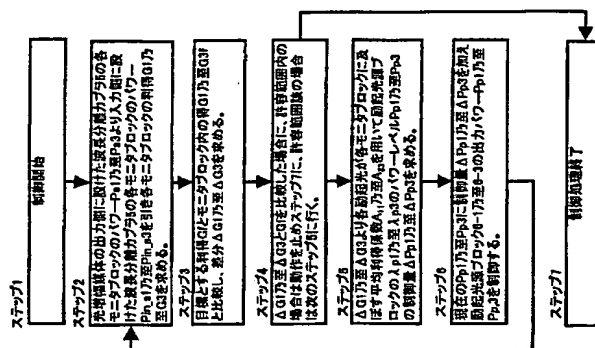
【図10】



【図12】



【図13】



【図9】

信号光出力パワー

